

EXHIBIT B

Engineering Specifications for Overhead Electric Transmission Lines

Applicant's File or Case No. \_\_\_\_\_ NPSC NO. \_\_\_\_\_

Route Map or Drawing No. to accompany these specifications \_\_\_\_\_

1. Name and Address of Applicant \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. GENERAL DESCRIPTION AND SYSTEM CONNECTION (Circuit Numbers should coincide with circuit numbers used on Exhibit "A")

<u>Circuit Number</u>	<u>Circuit Length (Miles)</u>	<u>Number of Phase Wires</u>	<u>Voltage Between Phase Wires (KV)</u>	<u>Voltages to Neutral or Ground (KV)</u>	<u>County</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

<u>Circuit Number</u>	<u>Delta or Star (Y) Connection</u>	<u>Neutral Grounded at Source Only or Multi-grounded (if wye-connected)</u>	<u>Maximum Distance Between Grounds</u>	<u>Is Neutral Wire Strung Throughout Length of Line</u>	<u>Number of Shield Wires</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Note and describe any underbuilt circuit: \_\_\_\_\_  
\_\_\_\_\_

3. POLES

<u>Circuit Number</u>	<u>Material or Kind of Timber</u>	<u>Min. Length of Line Poles</u>	<u>Max. Elevation Above Sea Level (Feet)</u>	<u>Treatment</u>	<u>Strength</u>	<u>Poles per Mile</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

If steel towers or other fabricated structures are used, attach specifications for each type of tower and/or structure.

4. ANCHORS AND GUYS

<u>Circuit Number</u>	<u>Size and Type Anchor</u>	<u>Rods</u>	<u>Down Guys</u>	<u>Head Guys</u>	<u>Strength</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

# 5. CROSSARMS

<u>Circuit Number</u>	<u>Material</u>	<u>Cross-Section</u>	<u>Length</u>	<u>No. of Pins</u>	<u>No. of Braces</u>	<u>Mfr.</u>	<u>Mfr.'s No.</u>

# 6. PINS AND BRACKETS

<u>Circuit Number</u>	<u>Type</u>	<u>Size</u>	<u>Mfr.</u>	<u>No.</u>	<u>Mfr.'s Bracket Type</u>	<u>Bracket Size</u>	<u>Bracket Mfr.</u>	<u>Mfr.'s No.</u>

# 7. CONDUCTORS (Show neutral conductor with associated phase conductors.)

<u>Circuit Number</u>	<u>Size</u>	<u>Material</u>	<u>Breaking Strength</u>	<u>Arrangement</u>	<u>Spacing</u>	<u>Span Lengths Ave.</u>	<u>Max.</u>
Neutral				N/A	N/A	N/A	N/A
Neutral				N/A	N/A	N/A	N/A

# 8. INSULATORS

<u>Circuit Number</u>	<u>Type</u>	<u>Nominal Voltage</u>	<u>Min. Dry Flashover</u>	<u>Material</u>	<u>No. Units Per String</u>	<u>Mfr.</u>	<u>Mfr.'s No.</u>

9. SPECIAL TYPE OF CONSTRUCTION-If any special type of construction is used, describe and give location: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# 10. LINE REMOVALS

<u>Length</u>	<u>No. of Phases</u>	<u>No. of Wires</u>	<u>Phase Voltage</u>	<u>County</u>

11. The design of the transmission line(s) as set out in the foregoing conforms to the laws of Nebraska, the Rules and Regulations of the Nebraska Public Service Commission and the National Electrical Safety Code. Equivalent materials may be substituted for those specified above.

By \_\_\_\_\_  
(Print or Type)

By \_\_\_\_\_  
(Signature)